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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

VU, THONG H

ART UNIT	PAPER NUMBER
2142	14

DATE MAILED: 01/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/483,315

Applicant(s)

DEVEREAUX ET AL.

Examiner

Thong H Vu

Art Unit

2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4,9-14,23,26,39 and 76-95 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4,9-14,23,26,39 and 76-95 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

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1. Claims 1,4,9-14,23,26,39 and 76-95 are pending.

Claim Rejections - 35 USC § 112

2. Claims 76-95 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. (i.e.: a codec connected to the video input and video output that is configured to convert real-time video information encoded in the first video format to a third video format and to convert real-time video information encoded in the third video format into the second video format;).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1,4,9-14,23,26,39 are rejected under 35 U.S.C. § 102(e) as being anticipated over Strandwitz et al [Strandwitz 6,522,352 B1].

3. As per claim 1, Strandwitz discloses a wireless communication system [Strandwitz, a wireless camera system, abstract], comprising:

a network; a general purpose node (i.e.: base station) electrically connected to the network for providing access through the network, the general purpose node having a wireless communication device (i.e.: a codec / RF transceiver) [Strandwitz, col 1 line 65-col 2 line 59];

at least one media device (i.e.: a video camera; a computer such as server, gateway) connected to the network [Strandwitz, col 1 line 65-col 2 line 59]; and

a portable access unit capable of wirelessly communicating with the general purpose node through the wireless communications device for communicating with the media device through the network, wherein **a user command** from the portable access unit is executed by the media device separate from the portable access unit, wherein the media device comprises a display for receiving video signals transmitted from the portable access unit for presenting on the display [Strandwitz, remote operation, col 10 lines 52-63; remote control, col 12 lines 44-54; receipt of command signals to modify operation of the video circuitry, col 15 lines 42-46].

4. As per claim 9, Strandwitz discloses the portable access unit further comprises a sensor for transmitting data signals collected by the sensor to the media device [Strandwitz, image sensor, col 7 lines 26-36].

5. As per claims 10,11,13,14 Strandwitz discloses the sensor comprises a biological sensor or an environmental sensor as inherent features of image sensor.

6. As per claim 12, Strandwitz discloses the media device comprises a sensor for transmitting signals comprising data collected by the sensor to the local portable access unit [Strandwitz, image sensor, col 7 lines 26-36].

7. Claim 4 contains the similar limitations set forth of method claim 1 except the speaker [Strandwitz, col 2 lines 31-59]. Therefore, claim 4 is rejected for the similar rationale set forth in claim 1.

8. Claim 23 contains the similar limitations set forth of method claim 1 except transmitting video signals from the portable access unit to the media device for presenting the video signals on the media device [Strandwitz, images are captured by the camera can be displayed on the base station monitor, col 3 lines 17-30]. Therefore, claim 23 is rejected for the similar rationale set forth in claim 1.

9. Claim 26 contains the similar limitations set forth of method claim 1 except transmitting audio signals from the portable access unit to the media device for presenting the audio signals on the media device [Strandwitz, audio signals are passed through the transceiver and output from the speaker, col 3 lines 31-38]. Therefore, claim 26 is rejected for the similar rationale set forth in claim 1.

10. Claim 39 contains the similar limitations set forth of method claim 1 except encode/ decode module [Strandwitz, col 2 line 45-col 3 line 16]. Therefore, claim 39 is rejected for the similar rationale set forth in claim 1.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 76-95 are rejected under 35 U.S.C. § 103 as being unpatentable over Strandwitz et al [Strandwitz 6,522,352 B1] in view of Rahman et al [Rahman 6,044,088].

11. As per claim 76, Strandwitz discloses a mobile access unit for use in a localized communications system, comprising:

a video input configured to receive real-time video information formatted in accordance with a first video format; a video output configured to provide real-time video information formatted in accordance with a second video format [Strandwitz, the transceiver encoded and transmitted video image signals from a wireless camera to the base station, col 3 lines 17-30];

a transceiver [Strandwitz, col 2 lines 32-38,, 60- col 3 line 8,17-30, 59-55,, col 4 lines 56-64; col 5 lines 35-57] comprising a transmitter connected to the codec that is configured to transmit a data stream generated by the codec over an upstream wireless communication link; and a receiver connected to the codec that is configured to receive

a data stream transmitted over a downstream wireless communication link [Strandwitz, a Codec or encoding/decoding module, col 2 lines 45-59, col 3 lines 17-39]

However, Strandwitz does not detail a codec connected to the video input and video output that is configured to convert real-time video information encoded in the first video format to a third video format and to convert real-time video information encoded in the third video format into the second video format;

A skilled artisan would have motivation to improve the technique of conversion (encode/decode) software on the transceiver and found Rahman teaching. Rahman discloses a transceiver includes a conversion circuit which converts a first format to third format and third data format into the second format [Rahman, col 13 lines 17-26].

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the technique of conversion on the transceiver as taught by Rahman into the Strandwitz's apparatus in order to utilize the encoding/decoding module. Doing so would provide a flexibility, security and efficient process to transmit the video/audio signals over the wireless network.

12. As per claim 77, Strandwitz-Rahman disclose the codec is configured to multiplex real-time video encoded in the third video format with other data to generate the data stream provided by the codec to the transmitter; and the codec is configured to demultiplex real-time video encoded in the third video format from the data stream provided to the codec by the receiver as a well-known feature of Codec [see Shibata reference].

13. As per claim 78 Strandwitz-Rahman disclose a head up display is connected to the video output and configured to receive real-time video formatted in accordance with the second video format as inherent feature of wireless device.

14. As per claim 79, Strandwitz-Rahman disclose a video camera is connected to the video input and configured to provide a real-time video output formatted in accordance with the first video format as inherent feature of wireless camera.

15. As per claim 80, Strandwitz-Rahman disclose an audio input configured to receive real-time audio information formatted in accordance with a first audio format; an audio output configured to provide real-time audio information formatted in accordance with a second audio format; wherein the codec is connected to the audio input and the audio output; wherein the codec is configured to convert real-time audio information encoded in a first audio format to a third audio format and to convert real-time audio encoded in the third audio format into the second audio format [Rahman, col 13 lines 17-26];

wherein the codec link [Strandwitz, a Codec or encoding/decoding module, col 2 lines 45-59, col 3 lines 17-39] is configured to multiplex real-time video encoded in the third video format with at least the real time audio formatted in the third audio format to generate the data stream that is provided to the transmitter; and wherein the codec is configured to demultiplex real-time video encoded in the third video format from the data

stream provided by the receiver that also includes at least real-time audio encoded in a third audio format [Rahman, col 13 lines 17-26].

16. As per claim 81, Strandwitz-Rahman disclose a headphone set connected to the audio output and configured to receive real-time audio formatted in accordance with the second audio format as inherent feature of wireless device.

17. As per claim 82, Strandwitz-Rahman disclose a microphone connected to the audio input and configured to provide a real-time video output formatted in accordance with the first audio format as inherent feature of wireless device.

18. As per claim 83, Strandwitz-Rahman disclose a user interface input configured to receive information provided in a first user interface format; wherein the codec [Strandwitz, a Codec or encoding/decoding module, col 2 lines 45-59, col 3 lines 17-39] is connected to the user interface input and is configured to convert the user interface information encoded in the first user interface format to a second user interface format; wherein the codec is configured to multiplex the real-time video encoded in the third video format with at least the user interface information encoded in the second user interface format to form a data stream that is provided to the transmitter; and wherein the user interface information encoded in the second user interface format is capable of commanding a remote device [Rahman, col 13 lines 17-26].

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19. As per claim 84, Strandwitz-Rahman disclose the codec is implemented using at least one electronic device as inherent feature of wireless device.

20. As per claims 85-95 contains the similar limitations set forth of method claims 76-84. Therefore, claim 85-95 are rejected for the similar rationale set forth in claims 76-84.

21. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Thong Vu, whose telephone number is (703)-305-4643.

The examiner can normally be reached on Monday-Thursday from 8:00AM- 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Jack Harvey*, can be reached at (703) 305-9705.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9700.

Any response to this action should be mailed to: Commissioner of Patent and Trademarks, Washington, D.C. 20231 or faxed to :

After Final (703) 746-7238

Official: (703) 746-7239

Non-Official (703) 746-7240

Hand-delivered responses should be brought to Crystal Park 11,2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Thong Vu
Patent Examiner
Art Unit 2142

